P1

Dual Monaural Phono Stage

Where Swiss Precision Meets Exquisite Refinement

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It is well known that the electrical characteristics of turntable cartridges differ greatly from one cartridge to another. Ohm's law shows that Moving Magnet cartridges will generate larger voltages while Moving Coil cartridges are generally more efficient at delivering current. Phono stages should take full advantage of the cartridges' strengths and amplify the signal in the way they work best. With two dedicated MC current inputs and one MM/MC voltage input, the P1 provides the optimal coupling to all types of cartridges. In addition, discrete class A stages as well as the highest grade, tight tolerance components allow the P1 to deliver high performances for a transparent yet natural sound.

OPTIONAL ACCESSORIES

	**P1 Enclosure** The addition of a second P1 enclosure transforms the P1 into a True Monaural phono preamplification system. The power supplies inside each enclosure are devoted to a single channel, further enhancing the performances of the system. The units are controlled simultaneously.
	**EQ optional board** This option brings four additional playback equalization curves. The Emi, Columbia, Decca and Teldec EQ curves are made of custom high grade film capacitors and tight tolerance metal film resistors.
	**CH Support Discs** Made of high technology carbon polymer composite, the Support Discs complete the CH vibration suppression system allowing a remarkably detailed three dimensional increase in the musical image. Set of 4 discs.

The X1, musically and stylishly complementing the P1, is an ultra low noise, discrete, regulated linear power supply. It further improves the P1's performances, allowing your system to reach the next level of signal transparency, speed and musicality.

Modularity
- Dual Monaural (two channels in a single enclosure)
- True Monaural (one channel per enclosure)

Moving Coil Current Inputs
- Two inputs specifically designed for low output, low resistance MC cartridges
- Current mode for best signal to noise ratio when paired with low output MC cartridges
- No impedance adjustment required in current mode
- XLR and RCA connector available on each input

Moving Magnet/Moving Coil Voltage Input
- Input designed for MM, MC cartridges and step-up transformers
- Ultra low noise FET-input stage
- Cartridge loading adjustment, variable from 100k Ohms to 20 Ohms in over 500 steps
- XLR and RCA connections

EQ curves
- RIAA EQ curve factory fitted
- High grade, tight tolerance custom components
- Optional add-on board containing Emi, Columbia, Decca and Teldec EQ curves

Analog Signal Path
- Selectable high-pass subsonic filter to remove unwanted rumble
- Ultra low noise, high bandwidth, high slew rate design
- Class A, discrete transistor based design

Power Supply
- Ultra low noise, high accuracy, discretely regulated linear power supplies
- Oversized mains toroidal transformers
- Shunt regulators for all stages
- Can be powered from the X1 External Power Supply unit

UNIT SPECIFICATIONS

Current Input	
Input impedance	<100mΩ, virtual ground input
Gain	6 steps (gain dependent on the cartridge internal resistance)
Equivalent input noise (EIN)	<-135dBu without X1 unit / <-138dBu with X1 unit / 1Ω termination, gain +70dB, 22kHz BW
Voltage Input	
Input impedance	Variable from 100kΩ to 20Ω
Gain (at 1kHz)	+35dB, +40dB, +55dB, +60dB, +65dB, +70dB
Equivalent input noise (EIN)	<-130dBu without X1 unit / <-135dBu with X1 unit / 1Ω termination, gain +70dB, 22kHz BW
Analog Audio Outputs	
Output level	Up to 8Vrms (balanced), Up to 4Vrms (unbalanced)
Frequency response	> 400kHz (RIAA equalization filter disconnected), current input selected
Total Harmonic Distortion + Noise	<0.01%, 1kHz, output level 3Vrms, 22kHz BW
General	
Display	480 x 272 pixels 24bits RGB AMOLED
Power supply	Selectable 100V, 115V or 230V AC, 47Hz to 63Hz, < 1W in Standby
Overall dimensions and weight	440mm x 440mm x 133mm, 20kg
Control / Software update	Ethernet based system control via the Android CH Control App / USB port for software update

Specifications subject to change without notice. Illustrations are informative only.

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